

RAKHLIN, L.M., prof.

Reviews. Kardiologia 4 no.3:88-91 My-Je '64.

(MIRA 18:4)

RAKHLIN, L.M., prof.; SOKOLOV, N.V., prof.; MONASYPOVA, M.V.;
FAYZULLIN, M.Kh., prof.; GALIMOV, I.Kh.

In the scientific medical societies of the Tatar A. S. S. R.
Kaz. med. zhur. no.2:94-96 Mr-Apr '62. (MIRA 15:6)
(TATAR A. S. S. R.—MEDICAL SOCIETIES)

MAKHLIN, L.M., prof., red.; ABDRAKHMANOV, M.I., zam. red.; GADANOV, Yu.D., red.; VALITOV, Z.G., red.; SAYFULLIN, S.Sh., red.; ZAYNULLIN, I.Kh., tekhn. red.

[Transactions of the Joint Conference of Designers, Physiologists and Physicians. Dedicated to the Methods of Studying Gas Exchange under Normal and Pathological Conditions] Trudy Sovmestnoy konferentsii konstruktorov, fiziologov i vrachei, posviashchenoi metodam izucheniia gazovogo obmena pri fiziologicheskikh i patologicheskikh sostoyaniyakh, 1960. Pod red. L.M. Makhlina. Kazan', Izdatovskh'oz, 1961. 183 p. (MIRA 15:7)

1. Sovmestnaya konferentsiya konstruktorov, fiziologov i vrachei, posvyashchennaya metodam izucheniya gazovogo obmena pri fiziologicheskikh i patologicheskikh sostoyaniyakh, 1960. 2. Samostoyatel'noye konstruktorsko-tekhnologicheskoye byuro po proyektirovaniyu meditsinskikh i fiziologicheskikh priborov, Kazan' (for Abdirakmanov). (RESPIRATION)

RAKHILIN, L.M., prof. (Kazan')

"Fundamentals of electrocardiography" by A.V.Gol'tsman, I.T.Dmitrieva.
Reviewed by L.M.Rakhlin. Kaz. med. zhur. no.4:113-114 J1-Ag '61.

(MLA 15:2)

(ELECTROCARDIOGRAPHY) (GOL'TSMAN, A.V.)
(DMITRIEVA, I.T.)

RAKHLIN, L.M. prof. (Kazan')

Review of "Cardiac fibrillation" by S.V.Shestakov. Kaz.med.
zhur. no.1:97-98 Ja-F '63. (MIRA 16:2)
(ARRHYTHMIA) (SHESTAKOV, S.V.)

RAKHLEW, L.M., prof. (Kazakh')

"Interceptive effects from the gastrointestinal tract to the
heart" by I.E. Ganelina. Kaz. med. zhur. no.5:107-108 S-0'63
(MIRA 16:12)

RAKHLIN, L.M., prof. (Kazan')

"Atherosclerosis (problems of its etiology and pathogenesis and their application to the clinic)" by B.V. Il'inskii. Reviewed by L.M. Rakhlin. Kaz. med. zhur. no.6:78-80 N-D '61. (MIRA 15:2)
(ARTERIOSCLEROSIS) (IL'INSKII, B.V.)

RAKHLIN, L.M., prof. (Kazan')

"Bronchial asthma" by B.B. Kogan. Reviewed by L.M. Rakhlin.
Kaz. med. zhur. no. 4:98-100 11 '60. (MIRA 13:2)
(ASTHMA) (KOGAN, B.G.)

RAKHLIN, L.M., prof. (Kazan')

"Role of some "internal factors" in the development of atherosclerosis.
Kaz. med. zhur. no. 2:3-10 Mr-Apr '61. (MIRA 14:4)
(ARTERIOSCLEROSIS)

RAKHLIN, L.M., prof. (Kazan')

"Rhythms of cardiac action and their disorders" by A.M. Sigal.
Reviewed by L.M. Rakhlin. Kaz.med.zhur. 40 no.3:114-115
My-Je '59. (MIRA 12:11)

(HEART--DISEASES)

(SIGAL, A.M.)

S/069/62/024/005/005/010
B106/B186

AUTHORS: Lebedev, A. V., Mints, S. M., Rakhlina, P. I., Zinov'yeva, M. N.

TITLE: Effect of various factors on the low-temperature strength of synthetic latexes. 1. Effect of changes in the aqueous phase

PERIODICAL: Kolloidnyy zhurnal, v. 24, no. 5, 1962, 565 - 571

TEXT: This paper is the first in a series of systematic studies on the freezing strength of rubber-like polymeric latexes such as КС-30П (SKS-30P) and КС-65П (SKS-65GP) as dependent on the compounding formula, polymerization conditions, and other factors. A quantitative method was worked out for determining the resistance of divinyl styrene latex to low temperatures. The percent content of dry coagulate in the latex polymer serves as a measure of resistance. Experiments with variation of single factors at otherwise equal conditions gave the following results: The frost resistance of latex depends on the nature of the cations and anions of the emulsifier; it decreases in the order of the cations $K^+ > Na^+ > NH_4^+$ and in the order of the anions paraffinate $> Nekat > Dresinate$ (salt of disproportionate colophony). With addition of emulsifiers to the finished

Card 1/3

S/069/62/024/005/005/010
B106/B186

Effect of various factors on...

latex, its frost resistance increases monotonously with the amount of emulsifier used in potassium and ammonium soaps, whereas it passes a maximum in the case of Nekal and sodium Dresinate (with 50-60% saturation of the adsorption layers). With the use of soaps of different molecular weights as emulsifiers, the frost resistance of latex decreases with the molecular weight increasing from 190 to 500. Additions of small amounts of univalent metal salts or of Leukanol to the aqueous phase slightly improve the frost resistance of latex; the effect of additions of non-ionic emulsifiers depends on the nature of the latex polymer and on the hydrophile-lipophile balance in the emulsifier. The frost resistance of latex is independent of its concentration, and increases with the pH of the aqueous phase. High resistance to frost is reached by introduction of ammonia, which facilitates transport and storage in winter. There are 4 figures and 5 tables. The most important English-language references are: H. W. Walker, J. Phys. Coll. Chem. 51, 451, 1947; R. J. Orr, Rubb. Plast Age 41, 1027, 1960; T. E. Daniels, W. H. Watson, F. C. White, Rubber and Plast. Age 40, 1057, 1959.

ASSOCIATION: Nauchno-issledovatel'skiy institut sinteticheskogo kauchuka
im. S. V. Lebedeva (Scientific Research Institute of Synthetic
Rubber imeni S. V. Lebedev)
Card 2/3

Effect of various factors on...

S/069/62/024/005/005/010
B106/B186

SUBMITTED: June 15, 1961

f

Card 3/3

LEBEVA, N. V., 1964, 1 p.

Effect of various factors on the resistance of synthetic latexes to low temperatures. Part 3: Effect of plasticization of latex particles on the frost resistance of SXS-650 latex. Koll. zhur. 27 no.4:598-600 JI-Ag '65. (NIR-12 12)

1. Nauchno-issledovatel'skiy institut sinteticheskogo kauchuka imeni N.V. Lebeva, Leningrad. Submitted March 24, 1964.

YELISEYEVA, V.I.; LEBEDEV, A.V.; RAKHLIN, P.I.; CHUBAROVA, A.V.

New types of material for leather finishing. Kozh.-obuv.prom. 5 no.3:
18-21 Mr '63. (MIRA 16:3)
(Leather) (Finishes and finishing)

12115

S/069/62/024/005/006/010
B106/B186

15 100

AUTHORS: Lebedev, A. V., Mints, S. M., Rakhlin, P. I., Zinov'yeva, M. N.

TITLE: Effect of various factors on the low-temperature strength of synthetic latexes. 2. Effect of changes in the polymeric phase

PERIODICAL: Kolloidnyy zhurnal, v. 24, no. 5, 1962, 572 - 577

TEXT: The effect of the composition of the polymeric phase, of the plasticity of the polymer, and of changes of the polymer during storage on the low-temperature strength of synthetic latex was studied. The decrease in frost resistance ("aging") of latex on long storage can be delayed considerably by excluding oxygen or by adding antioxidants. A styrene content of more than 60% in the polymerization mixture of the monomers reduces the frost resistance of divinyl styrene latex. It was shown by the example of divinyl nitrile latex that latex produced with soaps of the molecular weight 190 as emulsifiers was, under otherwise equal conditions, more resistant to frost than latex produced with Nekal. Divinyl nitrile latex is much less frost-resistant than divinyl styrene

Card 1/2

S/069/62/024/005/006/010
B106/B186

Effect of various factors on...

latex, and ages considerably when stored. Changes in plasticity of divinyl styrene latex practically do not affect the frost resistance. The results are used for proposing an appropriate coagulation mechanism for the freezing and thawing of latex. Some industrial processes are recommended for increasing the frost resistance of latex: KKC-50H (SKS-50N) latex can be made frost-resistant to -100°C by introducing ammonia up to $\text{pH} > 10$. The frost resistance of divinyl styrene latex for dyes can be improved by reducing the styrene content in the monomer mixture from 65% to 55-60%, by increasing the amount of soda lye to 0.37-0.42 parts by weight of the monomers, and by adding antioxidants to the latex. There are 4 figures and 1 table. The English-language references are: H. W. Walker, J. Phys. Colloid. Chem. 51, 451, 1947; T. G. Rochow, C. W. Mason, Industr. and Engng. Chem. 28, 1296, 1936; E. Crampsy, M. Gordon, J. Taylor, J. Chem. Soc. 12, 3925, 1953.

ASSOCIATION: Nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S. V. Lebedeva (Scientific Research Institute of Synthetic Rubber imeni S. V. Lebedev)

SUBMITTED: June 15, 1961
Card 2/2

Accessories of granitoids M. I. Rikhter *Geol. otd.* 1941, No. 4, 127-32. The cassiterite, scheelite, anatase, monazite, xenotime, zircon, apatite, ilmenite, pyrite, sphene, hematite, garnet, rutile, fluorite, magnetite, tourmaline, molybdenite, chalcopryite, arsenopyrite, leucocene, galena and bismuthinite contents of 56 deposits of various ages in various parts of the U.S.S.R. were found by microscopic examination of their 100-mesh powders. Cassiterite and scheelite are very widespread, though usually less plentiful than zircon. The rock masses in which tin and tungsten ores are found show a higher content of cassiterite and scheelite than do other granite masses. I. H. Rathenau

INTERNATIONAL LITERATURE CLASSIFICATION

STARCHENKO, D.I., prof., doktor tekhn.nauk; VLASOV, T.F., inzh.; RAKHLIN, TS.M.,
inzh.; PETIN, A.G., inzh.; ZUB'IIY, I.A., inzh.; BOGDANOV, A.K., inzh.

Mastering the rolling of an economical tee bulb bar on a 450 mill. Stal'
23 no.12:1108-1109 D '63. (MIRA 17:2)

1. Zhdanovskiy metallurgicheskiy institut i Zhdanovskiy zavod tyazhelogo
mashinostroyeniya.

SECRET, II.

by the President of the United States. I was in the White House in 1949.

TO: Late Sir [Name] [Title], [City], [State], [Year], 1949

RAKHLIN, V.

2902:

Kvartsyevaya Stabilitetsiya V Plavnom Dapaeonye Chastot. Radio, 1949, No 9, C. 35-37

SO: LETOPIS' No. 34

RANDEN, V.

"Quartz Crystal Stabilization in a Smooth Range of Frequencies," Radio, No. 9, 1949.

BAZHEN V.G.

Analyzing the safety components of the compressor assemblies of
the Serpukhov-Leningrad gas pipeline. Gaz. delo no.11:13-16 '64.
(MIRA 18:2)

1. Leningradskeye upravleniye magistral'nykh gazoprovodov.

Reel # 456

Rakhlin, V.G.

END